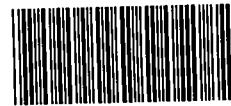


ORIGINAL

## Memorandum



SDMS DocID

2240023

DATE: February 7, 2001

TO: Michael Towle, On-Scene Coordinator  
USEPA

RKG

FROM: Randy Greer,  
Environmental Engineer  
**SEDIMENT & STORMWATER PROGRAM**

RE: 12<sup>th</sup> Street Landfill/Dump Site  
Sediment & Stormwater Plan

CC: Frank Piorko, Program Manager  
Donald Carey, Construction Reviewer  
Ann Breslin, DNREC/SIRB

Dear Mr. Towle,

I have prepared this memo as a follow-up to our recent phone conversation regarding the above referenced project. It is our understanding that the EPA proposes to install a new pipe at this site to convey water which is currently ponding on the northeast side of the site to the Brandywine River. If this work is done as shown on the plan and is intended only to convey uncontaminated surface water, it should be consistent with the requirements of the Delaware Sediment & Stormwater Regulations. I offer the following suggestions which may improve the performance somewhat:

1. Rather than a flap gate, you may want to consider the use of a Tideflex valve. These have recently been improved for low-head applications. If you decide to use one, the contractor should be made aware that they must be installed with a vertical orientation.
2. The grate at the inlet end would be less prone to clogging if it were substituted with a vertical bar-type grate. This allows floating debris to ride up and down the grate rather than get snagged by it.

If you have any questions concerning this matter, please call me at 302-739-4411.

*Delaware's good nature depends on you!*